

CLAIMS

[0015] What is claimed is:

1. A cloth fabric comprising:

5 at least two layers of cloth placed on top of each other, said at least two layers of cloth being connected to each other along connecting lines so as to form airway between said layers and along the gaps between each pairs of adjacent connecting lines.

10 2. The cloth fabric of claim 1, wherein said connecting lines form serpentine airway.

3. The cloth fabric of claim 1, wherein said connecting lines form concentric continuous airway.

4. The cloth fabric of claim 1, wherein said connecting lines are formed by means of one of stitching or bonding or heat welding.

15 5. A cloth fabric comprising:

 at least two layers of cloth placed on top of each other, said at least two layers of cloth being connected to each other along connecting lines so as to form airway between said layers and along the gaps between each pairs of adjacent connecting lines; and
20 a compressed gas source connected to one end of said airway to supply compressed gas into said airway.

6. The cloth fabric of claim 5, wherein said connecting lines form serpentine airway.

25 7. The cloth fabric of claim 5, wherein said connecting lines form concentric continuous airway.

8. The cloth fabric of claim 5, wherein said connecting lines are formed by means of one of stitching or bonding or heat welding.
9. A method of providing insulation to a body comprising:
providing to a body a cloth having at least two layers placed on top
of each other and connected to each other along connecting lines to
form at least one continuous airway between said connecting lines
and said layers, and
providing compressed gas into said at least one airway.
10. The method of claim 9 wherein said step of providing compressed gas further comprising providing said gas in a pressure varying in time.
11. A garment comprising:
a plurality of cloths, wherein each of said plurality of cloths
comprising at least two layers of cloth placed on top of each other,
said at least two layers of cloth being connected to each other along
connecting lines so as to form airway between said layers and along
the gaps between each pairs of adjacent connecting lines; and
a compressed gas source connected to one end of said airway in
each of said cloths to supply compressed gas into said airway.
12. The garment of claim 11, wherein said connecting lines form serpentine airway.
13. The garment of claim 11, wherein said connecting lines form concentric continuous airway.
14. The garment of claim 11, wherein said connecting lines are formed by means of one of stitching or bonding or heat welding.